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CR-H3079

**EFFECTS OF CONSTRUCTION AND STAGED FILLING
OF RESERVOIRS ON THE ENVIRONMENT AND ECOLOGY**

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(E75-10342) EFFECTS OF CONSTRUCTION AND
STAGED FILLING OF RESERVOIRS ON THE
ENVIRONMENT AND ECOLOGY Progress Report, 1
Apr. - 30 Jun. 1975 (Army Construction
Engineering Research Lab.) 3 p HC \$3.25

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Date: 7 July 1975
Type II Progress Report for Period
1 April 1975 - 30 June 1975

Prepared for:

Goddard Space Flight Center (GSFC)
Greenbelt, Maryland 20771

TYPE II PROGRESS REPORT
For the Period 1 April 1975 - 30 June 1975

TITLE: Effects of Construction and Staged Filling of Reservoirs on
the Environment and Ecology, Investigation Number 23500

PRINCIPAL INVESTIGATOR: Dr. Ravinder K. Jain
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GSFC ID NUMBER. 350

A. Problems: None.

B. Accomplishments:

Black and white aerial photography has been obtained for use as ground truth. Coverage from two time periods, April 1974 and December 1962, was obtained. Additional optical processing equipment has been procured including a mobile copying stand, a Mamiya RB67 camera and a Nikon F-2 camera.

Planned work includes the assembly and testing of the optical processing system. Imagery already received will be processed to establish the procedures and calibrate the equipment. Acquisition and processing of ground truth will continue.

C. Significant Results: None.

D. Publications: None.

E. Recommendations: None.

F. Funds Expended: \$3,000.00.

G. Data U e:

Value of Data Allowed: \$1,604.00
Value of Data Ordered: \$ 368.00
Value of Data Received: \$ 288.00

F. Aircraft Data:

U-2 aircraft data taken in February 1975 was received. Positive transparencies were obtained from the RC-10 and two bands of the Vinton. This imagery was the first taken over the test area and was obtained primarily to check on the flight path and extent of coverage. The test area was adequately covered. Much of the imagery was of poor quality due to haze but some frames were relatively clear and will be used to establish optical processing procedures for underflight imagery.